

Search for

[Limits](#)
[Preview/Index](#)
[History](#)
[Clipboard](#)
[Details](#)

[About Entrez](#)

Display Sort Save Text Clip Add Order
 Show: Items 1-20 of 26 Page 1 of 2 Select page: 1 2

[Entrez PubMed](#)
[Overview](#)
[Help | FAQ](#)
[Tutorial](#)
[New/Noteworthy](#)
[E-Utilities](#)

[PubMed Services](#)
[Journals Database](#)
[MeSH Browser](#)
[Single Citation Matcher](#)
[Batch Citation Matcher](#)
[Clinical Queries](#)
[LinkOut](#)
[Cubby](#)

[Related Resources](#)
[Order Documents](#)
[NLM Gateway](#)
[TOXNET](#)
[Consumer Health](#)
[Clinical Alerts](#)
[ClinicalTrials.gov](#)
[PubMed Central](#)

[Privacy Policy](#)

- ☐ 1. [Williams EJ, Benyon RC, Trim N, Hadwin R, Grove BH, Arthur MJ, Unemori EN, Iredale JP.](#) [Related Articles, Links](#)
 Relaxin inhibits effective collagen deposition by cultured hepatic stellate cells and decreases rat liver fibrosis in vivo.
 Gut. 2001 Oct;49(4):577-83.
 PMID: 11559657 [PubMed - indexed for MEDLINE]
- ☐ 2. [Garber SL, Mirochnik Y, Brecklin CS, Unemori EN, Singh AK, Slobodskoy L, Grove BH, Arruda JA, Dunea G.](#) [Related Articles, Links](#)
 Relaxin decreases renal interstitial fibrosis and slows progression of renal disease.
 Kidney Int. 2001 Mar;59(3):876-82.
 PMID: 11231342 [PubMed - indexed for MEDLINE]
- ☐ 3. [Unemori EN, Lewis M, Constant J, Arnold G, Grove BH, Normand J, Deshpande U, Salles A, Pickford LB, Erikson ME, Hunt TK, Huang X.](#) [Related Articles, Links](#)
 Relaxin induces vascular endothelial growth factor expression and angiogenesis selectively at wound sites.
 Wound Repair Regen. 2000 Sep-Oct;8(5):361-70.
 PMID: 11186125 [PubMed - indexed for MEDLINE]
- ☐ 4. [Unemori EN, Erikson ME, Rocco SE, Sutherland KM, Parsell DA, Mak J, Grove BH.](#) [Related Articles, Links](#)
 Relaxin stimulates expression of vascular endothelial growth factor in normal human endometrial cells in vitro and is associated with menometrorrhagia in women.
 Hum Reprod. 1999 Mar;14(3):800-6.
 PMID: 10221717 [PubMed - indexed for MEDLINE]
- ☐ 5. [Lewis M, Amento EP, Unemori EN.](#) [Related Articles, Links](#)
 Transcriptional inhibition of stromelysin by interferon-gamma in normal human fibroblasts is mediated by the AP-1 domain.
 J Cell Biochem. 1999 Mar 1;72(3):373-86.
 PMID: 10022519 [PubMed - indexed for MEDLINE]
- ☐ 6. [Unemori EN, Pickford LB, Salles AL, Piercy CE, Grove BH, Erikson ME, Amento EP.](#) [Related Articles, Links](#)
 Relaxin induces an extracellular matrix-degrading phenotype in human lung fibroblasts in vitro and inhibits lung fibrosis in a murine model in vivo.
 J Clin Invest. 1996 Dec 15;98(12):2739-45.
 PMID: 8981919 [PubMed - indexed for MEDLINE]
- ☐ 7. [Unemori EN, Amento EP.](#) [Related Articles, Links](#)
 Connective tissue metabolism in scleroderma, including cytokines.
 Curr Opin Rheumatol. 1996 Nov;8(6):580-4. Review.
 PMID: 9018463 [PubMed - indexed for MEDLINE]
- ☐ 8. [Parsell DA, Mak JY, Amento EP, Unemori EN.](#) [Related Articles, Links](#)
 Relaxin binds to and elicits a response from cells of the human monocytic cell line,

THP-1.

J Biol Chem. 1996 Nov 1;271(44):27936-41.

PMID: 8910395 [PubMed - indexed for MEDLINE]

- 9: [Galis ZS](#), [Muszynski M](#), [Sukhova GK](#), [Simon-Morrissey E](#), [Unemori EN](#), [Lark MW](#), [Amento E](#), [Libby P](#). Related Articles, Links

Cytokine-stimulated human vascular smooth muscle cells synthesize a complement of enzymes required for extracellular matrix digestion.

Circ Res. 1994 Jul;75(1):181-9.

PMID: 8013077 [PubMed - indexed for MEDLINE]

- 10: [Koch AE](#), [Harlow LA](#), [Haines GK](#), [Amento EP](#), [Unemori EN](#), [Wong WL](#), [Pope RM](#), [Ferrara N](#). Related Articles, Links

Vascular endothelial growth factor. A cytokine modulating endothelial function in rheumatoid arthritis.

J Immunol. 1994 Apr 15;152(8):4149-56.

PMID: 7511670 [PubMed - indexed for MEDLINE]

- 11: [Unemori EN](#), [Mauch C](#), [Hoeffler W](#), [Kim Y](#), [Amento EP](#), [Bauer EA](#). Related Articles, Links

Constitutive activation of the collagenase promoter in recessive dystrophic epidermolysis bullosa fibroblasts: role of endogenously activated AP-1.

Exp Cell Res. 1994 Apr;211(2):212-8.

PMID: 8143767 [PubMed - indexed for MEDLINE]

- 12: [Unemori EN](#), [Ehsani N](#), [Wang M](#), [Lee S](#), [McGuire J](#), [Amento EP](#). Related Articles, Links

Interleukin-1 and transforming growth factor-alpha: synergistic stimulation of metalloproteinases, PGE2, and proliferation in human fibroblasts.

Exp Cell Res. 1994 Feb;210(2):166-71.

PMID: 8299714 [PubMed - indexed for MEDLINE]

- 13: [Unemori EN](#), [Beck LS](#), [Lee WP](#), [Xu Y](#), [Siegel M](#), [Keller G](#), [Liggitt HD](#), [Bauer EA](#), [Amento EP](#). Related Articles, Links

Human relaxin decreases collagen accumulation in vivo in two rodent models of fibrosis.

J Invest Dermatol. 1993 Sep;101(3):280-5.

PMID: 8370965 [PubMed - indexed for MEDLINE]

- 14: [Unemori EN](#), [Amento EP](#), [Bauer EA](#), [Horuk R](#). Related Articles, Links

Melanoma growth-stimulatory activity/GRO decreases collagen expression by human fibroblasts. Regulation by C-X-C but not C-C cytokines.

J Biol Chem. 1993 Jan 15;268(2):1338-42.

PMID: 8419336 [PubMed - indexed for MEDLINE]

- 15: [Unemori EN](#), [Ferrara N](#), [Bauer EA](#), [Amento EP](#). Related Articles, Links

Vascular endothelial growth factor induces interstitial collagenase expression in human endothelial cells.

J Cell Physiol. 1992 Dec;153(3):557-62.

PMID: 1447317 [PubMed - indexed for MEDLINE]

- 16: [Unemori EN](#), [Bauer EA](#), [Amento EP](#). Related Articles, Links

Relaxin alone and in conjunction with interferon-gamma decreases collagen synthesis by cultured human scleroderma fibroblasts.

J Invest Dermatol. 1992 Sep;99(3):337-42.

PMID: 1512471 [PubMed - indexed for MEDLINE]

- 17: [Unemori EN](#), [Bair MJ](#), [Bauer EA](#), [Amento EP](#). Related Articles, Links

Stromelysin expression regulates collagenase activation in human fibroblasts.

Dissociable control of two metalloproteinases by interferon-gamma.

J Biol Chem. 1991 Dec 5;266(34):23477-82.

PMID: 1660474 [PubMed - indexed for MEDLINE]

18: [Unemori EN, Amento EP.](#)

[Related Articles, Links](#)

Connective tissue metabolism including cytokines in scleroderma.

Curr Opin Rheumatol. 1991 Dec;3(6):953-9. Review.

PMID: 1772750 [PubMed - indexed for MEDLINE]

19: [Unemori EN, Hibbs MS, Amento EP.](#)

[Related Articles, Links](#)

Constitutive expression of a 92-kD gelatinase (type V collagenase) by rheumatoid synovial fibroblasts and its induction in normal human fibroblasts by inflammatory cytokines.

J Clin Invest. 1991 Nov;88(5):1656-62.

PMID: 1658048 [PubMed - indexed for MEDLINE]

20: [Talhouk RS, Chin JR, Unemori EN, Werb Z, Bissell MJ.](#)

[Related Articles, Links](#)

Proteinases of the mammary gland: developmental regulation in vivo and vectorial secretion in culture.

Development. 1991 Jun;112(2):439-49.

PMID: 1794314 [PubMed - indexed for MEDLINE]

Display	<div>Summary</div>	<div>Sort</div>	Save	Text	Clip Add	Order
Show: <div>20</div>	Items 1-20 of 26		Page 1 of 2		Select page: 1 2	

[Write to the Help Desk](#)

[NCBI](#) | [NLM](#) | [NIH](#)

[Department of Health & Human Services](#)

[Freedom of Information Act](#) | [Disclaimer](#)

Search for

☒ Limits
 [Preview/Index](#)
[History](#)
[Clipboard](#)
[Details](#)

[About Entrez](#)

Limits: **Publication Date to 2000/04**

Text Version

Display

Show: Items 1-7 of 7 One page.

Entrez PubMed

[Overview](#)
[Help | FAQ](#)
[Tutorial](#)
[New/Noteworthy](#)
[E-Utilities](#)

PubMed Services

[Journals Database](#)
[MeSH Browser](#)
[Single Citation Matcher](#)
[Batch Citation Matcher](#)
[Clinical Queries](#)
[LinkOut](#)
[Cubby](#)

Related Resources

[Order Documents](#)
[NLM Gateway](#)
[TOXNET](#)
[Consumer Health](#)
[Clinical Alerts](#)
[ClinicalTrials.gov](#)
[PubMed Central](#)

[Privacy Policy](#)

☐ **1:Summers L.** [Related Articles, Links](#)

Methods of cervical ripening and labor induction.
 J Nurse Midwifery. 1997 Mar-Apr;42(2):71-85. Review.
 PMID: 9107114 [PubMed - indexed for MEDLINE]

☐ **2:Milne B.** [Related Articles, Links](#)

Lower body nerve stretch: a role in essential hypertension or pre-eclampsia?
 Med Hypotheses. 1996 Oct;47(4):333-5.
 PMID: 8910884 [PubMed - indexed for MEDLINE]

☐ **3:Thornton SM, Fitzsimons JT.** [Related Articles, Links](#)

The effects of centrally administered porcine relaxin on drinking behaviour in male and female rats.
 J Neuroendocrinol. 1995 Mar;7(3):165-9.
 PMID: 7606241 [PubMed - indexed for MEDLINE]

☐ **4:Ahokas RA, Sibai BM, Anderson GD.** [Related Articles, Links](#)

Lack of evidence of a vasodepressor role for relaxin in spontaneously hypertensive and normotensive pregnant rats.
 Am J Obstet Gynecol. 1989 Sep;161(3):618-22.
 PMID: 2782343 [PubMed - indexed for MEDLINE]

☐ **5:Massicotte G, Parent A, St-Louis J.** [Related Articles, Links](#)

Blunted responses to vasoconstrictors in mesenteric vasculature but not in portal vein of spontaneously hypertensive rats treated with relaxin.
 Proc Soc Exp Biol Med. 1989 Mar;190(3):254-9.
 PMID: 2922410 [PubMed - indexed for MEDLINE]

☐ **6:St-Louis J, Massicotte G.** [Related Articles, Links](#)

Chronic decrease of blood pressure by rat relaxin in spontaneously hypertensive rats.
 Life Sci. 1985 Oct 7;37(14):1351-7.
 PMID: 4046737 [PubMed - indexed for MEDLINE]

☐ **7:Barousse AP.** [Related Articles, Links](#)

[Fibromatosis, relaxin and progesterone]
 Medicina (B Aires). 1978 Mar-Apr;38(2):215-6. Spanish. No abstract available.
 PMID: 682940 [PubMed - indexed for MEDLINE]

Display

Show: Items 1-7 of 7 One page.

Search for

[Limits](#)
[Preview/Index](#)
[History](#)
[Clipboard](#)
[Details](#)

[About Entrez](#)

Display Sort Save Clip Add

Text Version

Show: Items 1-10 of 10 One page.

Entrez PubMed

[Overview](#)
[Help | FAQ](#)
[Tutorial](#)
[New/Noteworthy](#)
[E-Utilities](#)

PubMed Services

[Journals Database](#)
[MeSH Browser](#)
[Single Citation Matcher](#)
[Batch Citation Matcher](#)
[Clinical Queries](#)
[LinkOut](#)
[Cubby](#)

Related Resources

[Order Documents](#)
[NLM Gateway](#)
[TOXNET](#)
[Consumer Health](#)
[Clinical Alerts](#)
[ClinicalTrials.gov](#)
[PubMed Central](#)

[Privacy Policy](#)

- ☐ **1:** [Masini E, Zagli G, Ndisang JF, Solazzo M, Mannaioni PF, Bani D.](#) Related Articles, Links
 Protective effect of relaxin in cardiac anaphylaxis: involvement of the nitric oxide pathway.
 Br J Pharmacol. 2002 Oct;137(3):337-44.
 PMID: 12237253 [PubMed - in process]
- ☐ **2:** [Ndisang JF, Zhao W, Wang R.](#) Related Articles, Links
 Selective regulation of blood pressure by heme oxygenase-1 in hypertension.
 Hypertension. 2002 Sep;40(3):315-21.
 PMID: 12215473 [PubMed - indexed for MEDLINE]
- ☐ **3:** [Ndisang JF, Wang R, Vannacci A, Marzocca C, Fantappie O, Mazzanti R, Mannaioni PF, Masini E.](#) Related Articles, Links
 Haeme oxygenase-1 and cardiac anaphylaxis.
 Br J Pharmacol. 2001 Dec;134(8):1689-96.
 PMID: 11739245 [PubMed - indexed for MEDLINE]
- ☐ **4:** [Ndisang JF, Baronti R, Cecere G, Masini E, Bani D, Mannaioni PF.](#) Related Articles, Links
 Relaxin generates nitric oxide and provides protection against cardiac anaphylaxis.
 Inflamm Res. 2001 Apr;50 Suppl 2:S122-3. No abstract available.
 PMID: 11411584 [PubMed - indexed for MEDLINE]
- ☐ **5:** [Ndisang JF, Moncini M, Gai P, Berni L, Cecere G, Masini E, Mannaioni PF.](#) Related Articles, Links
 Induction of heme oxygenase provides protection against cardiac anaphylaxis.
 Inflamm Res. 2000 Apr;49 Suppl 1:S76-7. No abstract available.
 PMID: 10864431 [PubMed - indexed for MEDLINE]
- ☐ **6:** [Masini E, Salvemini D, Ndisang JF, Gai P, Berni L, Moncini M, Bianchi S, Mannaioni PF.](#) Related Articles, Links
 Cardioprotective activity of endogenous and exogenous nitric oxide on ischaemia reperfusion injury in isolated guinea pig hearts.
 Inflamm Res. 1999 Nov;48(11):561-8.
 PMID: 10598011 [PubMed - indexed for MEDLINE]
- ☐ **7:** [Ndisang JF, Gai P, Berni L, Mirabella C, Baronti R, Mannaioni PF, Masini E.](#) Related Articles, Links
 Modulation of the immunological response of guinea pig mast cells by carbon monoxide.
 Immunopharmacology. 1999 Jun;43(1):65-73.
 PMID: 10437658 [PubMed - indexed for MEDLINE]
- ☐ **8:** [Mirabella C, Ndisang JF, Berni LA, Gai P, Masini E, Mannaioni PF.](#) Related Articles, Links
 Modulation of the immunological activation of human basophils by carbon monoxide.
 Inflamm Res. 1999 Apr;48 Suppl 1:S11-2. No abstract available.
 PMID: 10350139 [PubMed - indexed for MEDLINE]

Mirabella C, Baronti R, Berni LA, Gai P, Ndisang JF, Masini E, Mannaioni PF. Related Articles, Links

9:

Hemin and carbon monoxide modulate the immunological response of human basophils.

Int Arch Allergy Immunol. 1999 Feb-Apr;118(2-4):259-60. No abstract available.

PMID: 10224403 [PubMed - indexed for MEDLINE]

10: [Di Bello MG](#), [Berni L](#), [Gai P](#), [Mirabella C](#), [Ndisang JF](#), [Masini E](#), [Bani Sacchi T](#), [Mannaioni PF](#). Related Articles, Links

A regulatory role for carbon monoxide in mast cell function.

Inflamm Res. 1998;47 Suppl 1:S7-8. No abstract available.

PMID: 9561391 [PubMed - indexed for MEDLINE]

Display	Summary	Sort	Save	Text	Clip Add	Order
---------	---------	------	------	------	----------	-------

Show: 20 Items 1-10 of 10 One page.

[Write to the Help Desk](#)
[NCBI](#) | [NLM](#) | [NIH](#)
[Department of Health & Human Services](#)
[Freedom of Information Act](#) | [Disclaimer](#)

i686-pc-linux-gnu Oct 31 2002 15:09:13

University of Florence
DEPARTMENT OF PRECLINICAL & CLINICAL
PHARMACOLOGY

**RESEARCH UNIT OF PROF. PIER FRANCESCO MANNAIONI:
RECENT PUBLICATIONS**

2001

Bacciottini, L., Passani, M.B., Mannaioni, P.F. & Blandina, P. (2001) Interactions between histaminergic and cholinergic systems in learning and memory. *Behav. Brain Res.*, **124**: 183-194.

Cianchi, F., Cortesini, C., Bechi, P., Fantappie, O., Messerini, L., Vannacci, A., Sardi, I., Baroni, G., Boddi, V., Mazzanti, R., Masini, E. (2001) Up-regulation of Cyclooxygenase 2 Gene Expression Correlates With Tumor Angiogenesis in Human Colorectal Cancer. *Gastroenterology*, **121**: 1339-1347. [Reprint \(PDF\) Version of this Article](#)

Gallo, O., Franchi, A., Magnelli, L., Sardi, I., Vannacci, A., Boddi, V., Chiarugi, V., & Masini, E. (2001) Cyclooxygenase-2 pathway regulates VEGF expression in head and neck cancer. Implication for human angiogenesis and metastasis. *Neoplasia* **3**: 53-61. [Reprint \(PDF\) Version of this Article](#)

La Villa, G., Barletta, G., Pantaleo, P., Del Bene, R., Vizzutti, F., Vecchiarino, S., Masini, E., Perfetto, F., Tarquini, R., Gentilini, P. & Laffi, G. (2001) Hemodynamic, renal, and endocrine effects of acute inhibition of nitric oxide synthase in compensated cirrhosis. *Hepatology* **34**: 19-27.

Ndisang, J.F., Wang, R., Vannacci, A., Marzocca, C., Fantappie, O., Mazzanti, R., Mannaioni, P.F. & Masini, E. (2001) Haeme oxygenase-1 and cardiac anaphylaxis. *Br. J. Pharmacol.* **134**: 1689-96.

Ndisang, J.F., Baronti, R., Cecere, G., Masini, E., Bani, D. & Mannaioni, P.F. (2001) Relaxin generates nitric oxide and provides protection against cardiac anaphylaxis. *Inflamm. Res.* **50** S2: S122-S123. [Reprint \(PDF\) Version of this Article](#)

2000

Bacciottini, L., Giovannelli, L., Passani, M.B., Schunack, W., Mannaioni, P.F. & Blandina, P. (2000) Ciproxifan and cimetidine modulate c-fos expression in septal neurons, and acetylcholine release from hippocampus of freely moving rats. *Inflamm. Res.* **49**: S41-S42. [Reprint \(PDF\) Version of this Article](#)

Giorgetti, M., Bacciottini, L., Giovannini, M.G., Colivicchi, M.A., Goldfarb, J. & Blandina, P. (2000) Local GABAergic modulation of acetylcholine release from the cortex of freely moving rats. *Eur. J. Neurosci.* **12**: 1941-1948.

Masini, E., Bani, D., Sardi, I., Baronti, R., Bani-Sacchi, T., Bigazzi, M. & Mannaioni, P.F. (2000) Dual role of nitric oxide in myocardial ischemia-reperfusion. *Inflamm. Res.* **49**: 78-79. [Reprint \(PDF\) Version of this Article](#)

Moncini, M., Masini, E., Gambassi, F. & Mannaioni, P.F. (2000) Gamma-hydroxybutyric acid and alcohol-related syndromes. *Alcohol* **20**: 1-7. [Reprint \(PDF\) Version of this Article](#)

Mondovi, B., Pietrangeli, P., Morpurgo, L., Masini, E., Federico, R., Matescu, M.A., Befani, O. & Agostinelli, E. (2000) Some new functions of amine oxidases. *J. Pharmac. Pharmacol.*, in press.

Ndisang, J.F., Moncini, M., Gai, P., Berni, L., Cecere, G., Masini, E. & Mannaioni, P.F. (2000) Induction of heme oxygenase provides protection against cardiac anaphylaxis. *Inflamm. Res.* **49**: 76-77. [Reprint \(PDF\)](#) [Version of this Article](#)

Passani, M.B., Bacciottini, L., Mannaioni, P.F. & Blandina, P. (2000) Central histaminergic system and cognition. *Neurosci. Biobehav. Rev.* **24**: 107-113. [Reprint \(PDF\)](#) [Version of this Article](#)

Passani, M.B., Cangioli, I., Bacciottini, L., Mannaioni, P.F. & Blandina, P. (2000) Thioperamide and cimetidine modulate acetylcholine release from the amygdala of freely moving rats. *Inflamm. Res.* **49**: S43-S44. [Reprint \(PDF\)](#) [Version of this Article](#)

1999

Bacciottini, L., Mannaioni, P.F., Chiappetta, M., Giovannini, M.G. & Blandina, P. (1999) Acetylcholine release from hippocampus of freely moving rats is modulated by thioperamide and cimetidine. *Inflamm. Res.* **48 Suppl 1**: S63-64.

Belon, P., Cumps, J., Ennis, M., Mannaioni, P.F., Sainte-Laudy, J., Roberfroid, M. & Wiegant, F.A. (1999) Inhibition of human basophil degranulation by successive histamine dilutions: results of a European multi-centre trial. *Inflamm. Res.* **48 Suppl 1**: S17-S18.

Giovannini, M.G., Bartolini, L., Bacciottini, L., Greco, L. & Blandina, P. (1999) Effects of histamine H3 receptor agonists and antagonists on cognitive performance and scopolamine-induced amnesia. *Behav. Brain Res.* **104**: 147-155. [Reprint \(PDF\)](#) [Version of this Article](#)

Lorenzi, P., Marsili, M., Boncinelli, S., Fabbri, L.P., Fontanari, P., Zorn, A.M., Mannaioni, P.F. & Masini, E. (1999) Searching for a general anaesthesia protocol for rapid detoxification from opioids. *Eur. J. Anaesth.* **16**: 719-727. [Reprint \(PDF\)](#) [Version of this Article](#)

Masini, E., Fazi, M., Baronti, R., Mannaioni, P.F. & Bechi, P. (1999) Role of nitric oxide and histamine in the reflux-related gastric mucosal injury in the rat. *Inflamm. Res.* **48 Suppl 1**: S102-S103.

Masini, E., Salvemini, D., Ndisang, J.F., Gai, P., Berni, L., Moncini, M., Bianchi, S., & Mannaioni, P.F. (1999) Cardioprotective activity of endogenous and exogenous nitric oxide on ischaemia reperfusion injury in isolated guinea pig hearts. *Inflamm. Res.* **48**: 561-568.

Mirabella, C., Baronti, R., Berni, L.A., Ndisang, J.F., Mannaioni, P.F. & Masini, E. (1999) Hemin and carbon monoxide modulate the immunological response of human basophils. *Int. Arch. Allergy Immunol.* **118**: 259-260.

Mirabella, C., Ndisang, J.F., Berni, L.A., Gai, P., Masini, E., Mannaioni, P.F. (1999) Modulation of the immunological activation of human basophils by carbon monoxide. *Inflamm. Res.* **48 Suppl 1**: S11-S12.

Ndisang, J.F., Gai, P., Berni, L.A., Mirabella, C., Baronti, R., Mannaioni, P.F. & Masini, E. (1999) Modulation of the immunological response of guinea pig mast cells by carbon monoxide. *Immunopharmacology* **43**: 65-73. [Reprint \(PDF\)](#) [Version of this Article](#)

1998

Bani, D., Failli, P., Bello, M. G., Thiernemann, C., Bani Sacchi, T., Bigazzi, M. & Masini, E. (1998) Relaxin activates the L-arginine-nitric oxide pathway in vascular smooth muscle cells in culture. *Hypertension* **31**: 1240-1247.

Bani, D., Masini, E., Bello, M. G., Bigazzi, M. & Bani Sacchi, T. (1998) Relaxin protects against myocardial

injury caused by ischemia and reperfusion in rat heart. *Am. J. Pathol.* **152**: 1367-1376.

Cecchi, M., Giorgetti, M., Bacciottini, L., Giovannini, M. G. & Blandina, P. (1998) Increase of acetylcholine release from cortex of freely moving rats by administration of histamine into the nucleus basalis magnocellularis. *Inflamm. Res.* **47** (Suppl. 1): S32-S33.

Di Bello, M. G., Berni, L., Gai, P., Mirabella, C., Ndisang, J. F., Masini, E., Bani, Sacchi T. & Mannaioni, P. F. (1998) A regulatory role for carbon monoxide in mast cell function. *Inflamm. Res.* **47** (Suppl. 1): S7-S8.

Di Bello, M. G., Masini, E., Ioannides, C., Fomusi Ndisang J., Raspanti, S., Bani, Sacchi T. & Mannaioni, P. F. (1998) Histamine release from rat mast cells induced by the metabolic activation of drugs of abuse into free radicals. *Inflamm. Res.* **47**: 122-130.

Gallo, O., Masini, E., Morbidelli, L., Franchi, A., Fini Storchi, I., Vergari, W. A. & Ziche, M. (1998) Role of nitric oxide in angiogenesis and tumor progression in head and neck cancer. *J. Natl. Cancer Inst.* **90**: 587-596.

Giovannini, M. G., Ceccarelli, I., Molinari, B., Cecchi, M., Goldfarb, J. & Blandina, P. (1998) Serotonergic modulation of acetylcholine release from cortex of freely moving rats. *J. Pharmacol. Exp. Ther.* **285**: 1219-1225.

Leurs, R., Blandina, P., Tedford, C. & Timmermann, H. (1998) Therapeutic potentials of histamine H₃ agonists and antagonists. *Trends Pharmacol. Sci.* **19**: 177-183.

Masini, E., Di Bello, M. G., Raspanti, S., Fomusi Ndisang J., Baronti, R., Cappugi, P. & Mannaioni, P. F. (1998) The role of histamine in platelet aggregation by physiological and immunological stimuli. *Inflamm. Res.* **47**: 211-220.

Passani, M. B. & Blandina, P. (1998) Cognitive implications for H₃ and 5HT₃ receptors modulation of cortical cholinergic function: a parallel story. *Meth. Findings Exp. Pharmacol.* **20**: 125-137.

Passani, M. B., Luceri, C., Caderni, G. & Dolara, P. (1998) Intercellular communication in normal and aberrant crypts of rat colon mucosa. *Cancer Lett.* **123**: 77-81.

Pepeu, G. & Blandina, P. (1998) The acetylcholine, GABA, glutamate triangle in the rat forebrain. *J. Physiol. (Paris)* **92**: 351-355.

1997

Giorgetti, M., Bacciottini, L., Bianchi, L., Giovannini, M. G., Cecchi, M. & Blandina, P. (1997) GABAergic mechanism in histamine H₃ receptor inhibition of K(+)-evoked release of acetylcholine from rat cortex in vivo. *Inflamm. Res.* **46** (Suppl. 1): S33-S34.

Mannaioni, P. F. (1997) The European Histamine Research Society: a silver anniversary. *Inflamm. Res.* **46**: 155-156.

Mannaioni, P. F., Bello, M. G., Di Bello, M. G., Mirabella, C., Gai, P., Schunack, W. & Masini, E. (1997) Interaction between histamine and nitric oxide in rat mast cells and in isolated guinea pig hearts. *Int. Arch. Allergy Immunol.* **113**: 297-299.

Mannaioni, P. F., Bello, M. G., Di Bello, M. G., Schunack, W. & Masini, E. (1997) Histamine up-regulates the generation of nitric oxide, and nitric oxide down-regulates the release of histamine in cardiovascular preparations. *Inflamm. Res.* **46**: S97-S98.

Mannaioni, P. F., Di Bello, M. G. & Masini, E. (1997) Platelets and inflammation: role of platelet-derived growth factor, adhesion molecules and histamine. *Inflamm. Res.* **46**: 4-18.

Masini, E., Bani, D., Bello, M.G., Bigazzi, M., Mannaioni, P.F. & Bani Sacchi, T. (1997) Relaxin counteracts myocardial damage induced by ischaemia-reperfusion in isolated guinea pig hearts: evidence for an involvement of nitric oxide. *Endocrinology* **138**: 4713-4720.

Masini, E., Di Bello, M.G., Cappugi, P., Berni, L., Mirabella, C. & Mannaioni, P. F. (1997) Platelet aggregation and platelet histamine release by immunological stimulation in atopic patients: modulation by nitric oxide. *Inflamm. Res.* **46 (Suppl. 1)**: S81-S82.

1996

Bechi, P., Romagnoli, P., Bacci, S., Dei, R., Amorosi, A., Cianchi, F. & Masini, E. (1996) Helicobacter pylori and duodenal ulcer: evidence for a histamine pathways-involving link. *Am. J. Gastroenterol.* **91**: 2338-2343.

Blandina, P., Giorgetti, M., Bartolini, L., Cecchi, M., Timmerman, H., Leurs, R., Pepeu, G. & Giovannini, M. G. (1996) Inhibition of cortical acetylcholine release and cognitive performance by histamine H3 receptor activation in rats. *Br. J. Pharmacol.* **119**: 1656-1664.

Blandina, P., Giorgetti, M., Cecchi, M., Leurs, R., Timmerman, H. & Giovannini, M. G. (1996) Histamine H3 receptor inhibition of K(+)-evoked release of acetylcholine from rat cortex in vivo. *Inflamm. Res.* **45 (Suppl. 1)**: S54-S55.

Mannaioni, P. F., Di Bello, M. G., Raspanti, S., Mugnai, L., Romano, V. & Masini, E. (1996) Free radical mediated release of histamine from rat mast cells induced by drugs of abuse. *Inflamm. Res.* **45 (Suppl. 1)**: S25-S26.

Masini, E., Salvemini, D., Mugnai, L., Bello, M. G., Bani, D. & Mannaioni, P. F. (1996) The effect of relaxin on myocardial ischaemia-reperfusion injury and histamine release in vitro and in vivo. *Inflamm. Res.* **45 (Suppl. 1)**: S27-S28.



[Home Page](#)

Search for

[Limits](#)
[Preview/Index](#)
[History](#)
[Clipboard](#)
[Details](#)

[About Entrez](#)

Display Sort Save Text Clip Add Order

Text Version

Show: Items 1-18 of 18

One page.

Entrez PubMed

[Overview](#)

[Help | FAQ](#)

[Tutorial](#)

[New/Noteworthy](#)

[E-Utilities](#)

PubMed Services

[Journals Database](#)

[MeSH Browser](#)

[Single Citation Matcher](#)

[Batch Citation Matcher](#)

[Clinical Queries](#)

[LinkOut](#)

[Cubby](#)

Related Resources

[Order Documents](#)

[NLM Gateway](#)

[TOXNET](#)

[Consumer Health](#)

[Clinical Alerts](#)

[ClinicalTrials.gov](#)

[PubMed Central](#)

[Privacy Policy](#)

☐ **1:** [Novak J, Ramirez RJ, Gandley RE, Sherwood OD, Conrad KP.](#) [Related Articles, Links](#)

Myogenic reactivity is reduced in small renal arteries isolated from relaxin-treated rats.

Am J Physiol Regul Integr Comp Physiol. 2002 Aug;283(2):R349-55.

PMID: 12121847 [PubMed - indexed for MEDLINE]

☐ **2:** [Skott O, Carter AM.](#) [Related Articles, Links](#)

Relaxin is a vasodilator hormone.

Am J Physiol Regul Integr Comp Physiol. 2002 Aug;283(2):R347-8. No abstract available.

PMID: 12121846 [PubMed - indexed for MEDLINE]

☐ **3:** [Fisher C, MacLean M, Morecroft I, Seed A, Johnston F, Hillier C, McMurray J.](#) [Related Articles, Links](#)

Is the pregnancy hormone relaxin also a vasodilator peptide secreted by the heart?

Circulation. 2002 Jul 16;106(3):292-5.

PMID: 12119241 [PubMed - indexed for MEDLINE]

☐ **4:** [Ivell R.](#) [Related Articles, Links](#)

Endocrinology. This hormone has been relaxin' too long!

Science. 2002 Jan 25;295(5555):637-8. No abstract available.

PMID: 11809958 [PubMed - indexed for MEDLINE]

☐ **5:** [Gavino ES, Furst DE.](#) [Related Articles, Links](#)

Recombinant relaxin: a review of pharmacology and potential therapeutic use.

BioDrugs. 2001;15(9):609-14. Review.

PMID: 11580304 [PubMed - indexed for MEDLINE]

☐ **6:** [Novak J, Danielson LA, Kerchner LJ, Sherwood OD, Ramirez RJ, Moalli PA, Conrad KP.](#) [Related Articles, Links](#)

Relaxin is essential for renal vasodilation during pregnancy in conscious rats.

J Clin Invest. 2001 Jun;107(11):1469-75.

PMID: 11390429 [PubMed - indexed for MEDLINE]

☐ **7:** [Kristiansson P, Wang JX.](#) [Related Articles, Links](#)

Reproductive hormones and blood pressure during pregnancy.

Hum Reprod. 2001 Jan;16(1):13-17.

PMID: 11139529 [PubMed - indexed for MEDLINE]

☐ **8:** [Danielson LA, Kercher LJ, Conrad KP.](#) [Related Articles, Links](#)

Impact of gender and endothelin on renal vasodilation and hyperfiltration induced by relaxin in conscious rats.

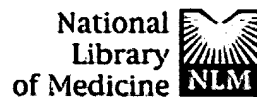
Am J Physiol Regul Integr Comp Physiol. 2000 Oct;279(4):R1298-304.

PMID: 11003996 [PubMed - indexed for MEDLINE]

☐ **9:** [Mueck AO, Seeger H, Lippert TH.](#) [Related Articles, Links](#)

[Effect of transdermal versus oral estradiol administration on the excretion of vasoactive markers in postmenopausal women]

- ☐ **10:** [Seeger H, Ludtke R, Graser T, Wallwiener D, Mueck AO.](#) [Related Articles, Links](#)
Effect of oral contraceptives on the urinary excretion of biochemical markers indicating vasoactive action.
J Clin Pharm Ther. 2000 Jun;25(3):221-6.
PMID: 10886466 [PubMed - indexed for MEDLINE]
- ☐ **11:** [Baylis C.](#) [Related Articles, Links](#)
Relaxin may be the "elusive" renal vasodilatory agent of normal pregnancy.
Am J Kidney Dis. 1999 Dec;34(6):1142-4; discussion 1144-5. No abstract available.
PMID: 10585328 [PubMed - indexed for MEDLINE]
- ☐ **12:** [Danielson LA, Sherwood OD, Conrad KP.](#) [Related Articles, Links](#)
Relaxin is a potent renal vasodilator in conscious rats.
J Clin Invest. 1999 Feb;103(4):525-33.
PMID: 10021461 [PubMed - indexed for MEDLINE]
- ☐ **13:** [Masini E, Bani D, Bello MG, Bigazzi M, Mannaioni PF, Sacchi TB.](#) [Related Articles, Links](#)
Relaxin counteracts myocardial damage induced by ischemia-reperfusion in isolated guinea pig hearts: evidence for an involvement of nitric oxide.
Endocrinology. 1997 Nov;138(11):4713-20.
PMID: 9348198 [PubMed - indexed for MEDLINE]
- ☐ **14:** [Bani D.](#) [Related Articles, Links](#)
Relaxin: a pleiotropic hormone.
Gen Pharmacol. 1997 Jan;28(1):13-22. Review.
PMID: 9112071 [PubMed - indexed for MEDLINE]
- ☐ **15:** [Lippert TH, Armbruster FP, Seeger H, Mueck AO, Zwirner M, Voelter W.](#) [Related Articles, Links](#)
Urinary excretion of relaxin after estradiol treatment of postmenopausal women.
Clin Exp Obstet Gynecol. 1996;23(2):65-9.
PMID: 8737615 [PubMed - indexed for MEDLINE]
- ☐ **16:** [Masini E, Di Bello MG, Bani D, Bigazzi M, Bani Sacchi T, Mannaioni PF.](#) [Related Articles, Links](#)
Relaxin inhibits histamine release from mast cells: involvement of nitric oxide production.
Inflamm Res. 1995 Apr;44 Suppl 1:S12-3. No abstract available.
PMID: 8520977 [PubMed - indexed for MEDLINE]
- ☐ **17:** [Petit JF, Schott C, Lepoivre M, Stoclet JC.](#) [Related Articles, Links](#)
Production of an arginine-derived relaxing factor induced by IFN-gamma plus endotoxin in murine adenocarcinoma EMT 6 cells.
Biochem Biophys Res Commun. 1990 Nov 30;173(1):1-5.
PMID: 2124106 [PubMed - indexed for MEDLINE]
- ☐ **18:** [Ahokas RA, Sibai BM, Anderson GD.](#) [Related Articles, Links](#)
Lack of evidence of a vasodepressor role for relaxin in spontaneously hypertensive and normotensive pregnant rats.
Am J Obstet Gynecol. 1989 Sep;161(3):618-22.
PMID: 2782343 [PubMed - indexed for MEDLINE]

[PubMed](#)[Nucleotide](#)[Protein](#)[Genome](#)[Structure](#)[PopSet](#)[Taxonomy](#)[OMIM](#)[Books](#)

Search for

[Limits](#)[Preview/Index](#)[History](#)[Clipboard](#)[Details](#)[About Entrez](#)[Text Version](#)[Entrez PubMed](#)[Overview](#)[Help | FAQ](#)[Tutorial](#)[New/Noteworthy](#)[E-Utilities](#)[PubMed Services](#)[Journals Database](#)[MeSH Browser](#)[Single Citation Matcher](#)[Batch Citation Matcher](#)[Clinical Queries](#)[LinkOut](#)[Cubby](#)[Related Resources](#)[Order Documents](#)[NLM Gateway](#)[TOXNET](#)[Consumer Health](#)[Clinical Alerts](#)[ClinicalTrials.gov](#)[PubMed Central](#)[Privacy Policy](#)☐ [1:Sule SD, Wigley FM.](#)[Related Articles, Links](#)

Update on management of scleroderma.

Bull Rheum Dis. 2000;49(10):1-4. Review. No abstract available.

PMID: 11286150 [PubMed - indexed for MEDLINE]

[Write to the Help Desk](#)[NCBI | NLM | NIH](#)[Department of Health & Human Services](#)[Freedom of Information Act | Disclaimer](#)

Search for

[Limits](#)
[Preview/Index](#)
[History](#)
[Clipboard](#)
[Details](#)

[About Entrez](#)

Display

Text Version

[Entrez PubMed](#)
[Overview](#)
[Help | FAQ](#)
[Tutorial](#)
[New/Noteworthy](#)
[E-Utilities](#)

[PubMed Services](#)
[Journals Database](#)
[MeSH Browser](#)
[Single Citation Matcher](#)
[Batch Citation Matcher](#)
[Clinical Queries](#)
[LinkOut](#)
[Cubby](#)

[Related Resources](#)
[Order Documents](#)
[NLM Gateway](#)
[TOXNET](#)
[Consumer Health](#)
[Clinical Alerts](#)
[ClinicalTrials.gov](#)
[PubMed Central](#)

[Privacy Policy](#)

☐ 1: Wound Repair Regen 2000 Sep-Oct;8(5):361-70

[Related Articles, Links](#)

 **online**

Relaxin induces vascular endothelial growth factor expression and angiogenesis selectively at wound sites.

Unemori EN, Lewis M, Constant J, Arnold G, Grove BH, Normand J, Deshpande U, Salles A, Pickford LB, Erikson ME, Hunt TK, Huang X.

Connetics Corporation, Palo Alto, CA, USA.

Relaxin is a reproductive hormone that has historically been characterized as being responsible for pubic ligament loosening and cervical ripening. Recently, relaxin has been associated with neovascularization of the endometrial lining of the uterus, potentially via specific induction of vascular endothelial growth factor. Previously conducted clinical studies using partially purified porcine relaxin have described relaxin's ability to stimulate the healing of ischemic wounds, suggesting that relaxin may also have angiogenic effects at sites of ischemic wound healing. In the present study, relaxin's angiogenic effects in the context of wound repair were tested in rodent models of angiogenesis and wound healing. Relaxin showed an ability to stimulate new blood vessel formation, particularly at ischemic wound sites, and to induce both vascular endothelial growth factor and basic fibroblast growth factor specifically in cells, presumably including macrophages, collected from wound sites. Resident macrophages collected from nonwound sites, such as the lung, did not show altered expression of these cytokines following relaxin administration. Because angiogenic wound cells are frequently macrophages, THP-1 cells, a cell line of monocyte lineage that binds relaxin specifically, were tested for and shown to induce vascular endothelial growth factor and basic fibroblast growth factor in response to relaxin. In conclusion, relaxin may be useful in the treatment of ischemic wounds by stimulating angiogenesis via the induction of vascular endothelial growth factor and basic fibroblast growth factor in wound macrophages.

PMID: 11186125 [PubMed - indexed for MEDLINE]

Display

[Write to the Help Desk](#)

[NCBI](#) | [NLM](#) | [NIH](#)

[Department of Health & Human Services](#)

[Freedom of Information Act](#) | [Disclaimer](#)



The "AND" operator is unnecessary -- we include all search terms by default. [\[details\]](#)

[Web](#) · [Images](#) · [Groups](#) · [Directory](#) · [News-New!](#) ·

Searched the web for **relaxin and recombinant and hypertension and pulmonary** . Results **1 - 10** of about **120**. Search

[High cholesterol: What is it? What causes it? What can you do about it?](#)

[Sponsored Link](#)

Click here **and** learn!

[PPH Report - FenPhen News](#)

[Sponsored](#)

[PulmonaryHypertensionReport.com](#)

[Diet Drug Settlement Deadline](#) [National Helpline 1-800-805-1121](#)

[Link](#)

[NEW STUDIES SUGGEST THAT RELAXIN MAY HAVE A ROLE IN THE TREATMENT ...](#)

[Sponsored Links](#)

... Connetics manufactures a **recombinant** version of human **relaxin**. ... to pursuing additional research with **relaxin** for the treatment of **pulmonary hypertension**. ...
[www.healthwho.com/newsUpdate/NU_May_017.cfm](#) - 23k - [Cached](#) - [Similar pages](#)

[Bioelectric device lowers](#)

blood pressure in 5 min, easy use, non-drug, 90% effective guaranteed
[www.tcmhospital.com](#)
Interest:

[Pulmonary Fibrosis by Scleroderma from A to Z](#)

... **Relaxin**: ConXn™ (**recombinant** human **relaxin** H2) inhibits ... Tony B: Systemic Scleroderma with **Pulmonary Fibrosis**, **Pulmonary Hypertension** and Raynaud's It ...
[www.sclero.org/medical/symptoms/pulmonary/fibrosis.html](#) - 47k - [Cached](#) - [Similar pages](#)

[Vitalaxin, pure relaxin](#)

Enhance energy, memory, circulation
Low price: starts at \$67.19
[www.immunesupport.com](#)
Interest:

[\[PDF\]Recombinant Human Relaxin in the Treatment of Scleroderma](#)

File Format: PDF/Adobe Acrobat - [View as HTML](#)

... and arterioles (the Raynaud phenomenon, renal "crisis," and **pulmonary hypertension**), as well as ... Phase I studies of **recombinant** human **relaxin** in patients ...
[www.annals.org/issues/v132n11/pdf/200006060-00004.pdf](#) - [Similar pages](#)

[Pulmonary Hypertension](#)

Self-directed patient sourcebook published by bn.com affiliate.
[www.barnesandnoble.com](#)
Interest:

[\[PDF\]Scleroderma](#)

File Format: PDF/Adobe Acrobat - [View as HTML](#)

... A new option for **pulmonary arterial hypertension** (PAH) treatment recently ... a setback with the discontinuation of Connetics' **recombinant** human **relaxin**. ...
[www.centerwatch.com/bookstore/nmt/Scleroderma.pdf](#) - [Similar pages](#)

[The Pulmonary Center](#)

Answers to your questions about Pulmonary Disease and more!
[www.heartcenteronline.com](#)
Interest:

[RECENT LITERATURE](#)

... **Recombinant** human **relaxin** in the treatment of ... Continuous intravenous epoprostenol for **pulmonary hypertension** due to the scleroderma spectrum of disease. ...
[www.ucdmc.ucdavis.edu/health/a-z/88Scleroderma/doc88_lit.html](#) - 38k - [Cached](#) - [Similar pages](#)

[Hypertension a concern?](#)

Patent pending exclusive herbal formula lowers your blood pressure.
[www.healthworks2000.com](#)
Interest:

[See your message here...](#)

[Scleroderma News Archive](#)

... New Drug Shows Promise for Treating **Pulmonary Hypertension** in Scleroderma (June 2001) Actelion ... Phase III Trial of the use of human **recombinant relaxin** to treat ...
[www.scleroderma.org/news/newsarchive.htm](#) - 31k - Nov. 12, 2002 - [Cached](#) - [Similar pages](#)

[Ailments.com: Scleroderma](#)

... story at FindArticles.com introduces **recombinant** human **relaxin**, a drug ... living with or treating hepatitis, **pulmonary hypertension**, idiopathic **pulmonary** ...
[www.ailments.com/ailments/scleroderma.html](#) - 20k - Nov. 12, 2002 - [Cached](#) - [Similar pages](#)

[Lesson 13, Volume 16 - Treatment of Idiopathic Pulmonary Fibrosis ...](#)

... Effects of the dual endothelin-receptor antagonist bosentan in patients with **pulmonary hypertension**: a randomised placebo ... **Recombinant** human **relaxin** in the ...



The "AND" operator is unnecessary -- we include all search terms by default. [\[details\]](#)

[Web](#) · [Images](#) · [Groups](#) · [Directory](#) · [News-New!](#) ·

Searched the web for **relaxin and recombinant and hypertension**. Results 11 - 20 of about 171. Search took 0.10 seconds

[High cholesterol: What is it? What causes it? What can you do about it?](#)

[Sponsored Link](#)

Click here **and** learn!

[Annals of Internal Medicine: Table of Contents](#)

... and ME Sanders Twenty-four weeks of **recombinant** human **relaxin** therapy was ...
Version

(PDF) Hepatopulmonary Syndrome in Noncirrhotic Portal **Hypertension** BK De ...
www.annals.org/issues/v132n11/toc.html - 50k - Cached - Similar pages

[More results from www.annals.org]

[\[PDF\] Bulletin 49.10](#)

File Format: PDF/Adobe Acrobat - [View as HTML](#)

... MD, et al: Continuous intravenous epoprostenol for pulmonary **hypertension** due to ...
Seibold

JR, Korn JH, Simms R, et al: **Recombinant** human **relaxin** in the ...

www.arthritis.org/research/bulletin/vol49/49_10.pdf - [Similar pages](#)

[Medem: Medical Library: Induction of Labor](#)

... saline infusion, vaginal **recombinant** human **relaxin**, and intracervical purified porcine
relaxin. ... demise; Pregnancy-induced **hypertension**; Premature rupture ...

www.medem.com/MedLB/article_detailb.cfm?article_ID=ZZZA9WKKUJC&sub_cat=4 -
37k - Cached - Similar pages

[\[PDF\] The Cochrane Database of Systematic Reviews](#)

File Format: PDF/Adobe Acrobat - [View as HTML](#)

... for mild to moderate **hypertension** during pregnancy ... versus urinary gonadotrophins
or **recombinant** FSH for ... with polycystic ovary syndrome * **Relaxin** for cervical ...

www.chspr.ubc.ca/bcohta/pdf/UPDATE6.PDF - Similar pages

[PHCentral - Medical Issues: Scientific Literature Archive: June ...](#)

... J, Harkonen WS, Sanders ME Title: **Recombinant** human **relaxin** in the ... the
serotonin

transporter in hypoxia-induced pulmonary **hypertension** Journal: JOURNAL ...

www.phcentral.org/medical/sci-lit/061600.html - 60k - Cached - Similar pages

[Lesson 13, Volume 16 - Treatment of Idiopathic Pulmonary Fibrosis ...](#)

... Effects of the dual endothelin-receptor antagonist bosentan in patients with pulmonary
hypertension: a randomised placebo ... **Recombinant** human **relaxin** in the ...

www.chestnet.org/education/pccu/vol16/lesson13.html - 52k - Cached - Similar pages

[Ailments.com: Scleroderma](#)

... 2000 story at FindArticles.com introduces **recombinant** human **relaxin**, a drug ... with
or treating hepatitis, pulmonary **hypertension**, idiopathic pulmonary ...

www.ailments.com/ailments/scleroderma.html - 20k - Nov. 12, 2002 - Cached - Similar pages

[Publications](#)

... **Recombinant** human **relaxin** as a cervical ripening agent. Proceedings of the First
World Congress on Human **Relaxin** (In Press). ... **Hypertension** in Pregnancy. ...

www.gla.ac.uk/departments/obstetrics/publication/1995.html - 10k - Cached - Similar pages

[List of Orphan Drug and Orphan Device](#)

... pulmonary **hypertension**, pulmonary **hypertension** associated with ... **Recombinant** human

[Sponsored Links](#)

[High Blood Pressure](#)

Drugless Cure - Medically Proven
Reduce Up to 20 Points in 2 Days
www.bptherapy.com

Interest:

[Bioelectric device lowers](#)

blood pressure in 5 min, easy use,
non-drug, 90% effective guaranteed
www.tcmhospital.com

Interest:

[Vitalaxin, pure relaxin](#)

Enhance energy, memory, circulation
Low price: starts at \$67.19

www.immunesupport.com

Interest:

[The Blood Pressure Center](#)

Answers to your questions about
blood pressure and more!

www.heartcenteronline.com

Interest:

[Hypertension a concern?](#)

Patent pending exclusive herbal
formula lowers your blood pressure.
www.healthworks2000.com

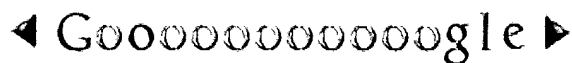
Interest:

[See your message here...](#)

growth hormone receptor antagonistic ... **Relaxin**, Scleroderma, Suntory Limited, 99/3 ...
orphanet.infobiogen.fr/docs/japan.html - 54k - Cached - Similar pages

British Journal of Surgery 88 (11)

... warranted to see whether **relaxin** can reproduce ... recipient lipid abnormalities[52],
hypertension[53], diabetes ... Intravenous administration of **recombinant** TGF-b ...
www.bjs.co.uk/88/11/article/bjs1867.asp - 101k - Nov. 12, 2002 - Cached



Result Page: **Previous** [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [11](#) **Next**

relaxin and recombinant and hyperten

Google Search

[Search within results](#)

[Google Home](#) - [Advertise with Us](#) - [Search Solutions](#) - [Services & Tools](#) - [Jobs, Press, & Help](#)

©2002 Google

Search for

[Limits](#)
[Preview/Index](#)
[History](#)
[Clipboard](#)
[Details](#)

[About Entrez](#)

Display Sort Save Text Clip Add Order

Text Version

Show: Items 1-2 of 2

One page.

Entrez PubMed

[Overview](#)
[Help | FAQ](#)
[Tutorial](#)
[New/Noteworthy](#)
[E-Utilities](#)

PubMed Services

[Journals Database](#)
[MeSH Browser](#)
[Single Citation Matcher](#)
[Batch Citation Matcher](#)
[Clinical Queries](#)
[LinkOut](#)
[Cubby](#)

Related Resources

[Order Documents](#)
[NLM Gateway](#)
[TOXNET](#)
[Consumer Health](#)
[Clinical Alerts](#)
[ClinicalTrials.gov](#)
[PubMed Central](#)

[Privacy Policy](#)

☐ 1: Steen VD.

Treatment of systemic sclerosis.

Am J Clin Dermatol. 2001;2(5):315-25. Review.

PMID: 11721650 [PubMed - indexed for MEDLINE]

[Related Articles, Links](#)

☐ 2: Dschietzig T, Richter C, Bartsch C, Bohme C, Heinze D, Ott F, Zartnack F, Baumann G, Stangl K.

Flow-induced pressure differentially regulates endothelin-1, urotensin II, adrenomedullin, and relaxin in pulmonary vascular endothelium.

Biochem Biophys Res Commun. 2001 Nov 23;289(1):245-51.

PMID: 11708807 [PubMed - indexed for MEDLINE]

[Related Articles, Links](#)

[Write to the Help Desk](#)

[NCBI](#) | [NLM](#) | [NIH](#)

[Department of Health & Human Services](#)

[Freedom of Information Act](#) | [Disclaimer](#)

Search for

[Limits](#)
[Preview/Index](#)
[History](#)
[Clipboard](#)
[Details](#)

[About Entrez](#)

[Text Version](#)

[Entrez PubMed](#)

[Overview](#)

[Help | FAQ](#)

[Tutorial](#)

[New/Noteworthy](#)

[E-Utilities](#)

[PubMed Services](#)

[Journals Database](#)

[MeSH Browser](#)

[Single Citation Matcher](#)

[Batch Citation Matcher](#)

[Clinical Queries](#)

[LinkOut](#)

[Cubby](#)

[Related Resources](#)

[Order Documents](#)

[NLM Gateway](#)

[TOXNET](#)

[Consumer Health](#)

[Clinical Alerts](#)

[ClinicalTrials.gov](#)

[PubMed Central](#)

[Privacy Policy](#)

1: Curr Rheumatol Rep 1999 Oct;1(1):22-7

[Related Articles, Links](#)

Novel therapeutic strategies in scleroderma.

Denton CP, Black CM.

Centre for Rheumatology, Royal Free and University College Medical School, Royal Free Campus, London NW3, UK.

Optimal management for scleroderma (systemic sclerosis) is likely to require treatment of the underlying disease process, which remains incompletely understood, and also of the organ-based complications of this heterogeneous condition. Clinical trials evaluating several potential agents have been completed recently, including D-penicillamine and interferon alpha. Unfortunately none of these studies has suggested significant efficacy. This article focuses on new treatment approaches using existing therapeutic agents, such as prostacyclin, and considers the potential usefulness of new agents (eg, relaxin, halofuginone) or strategies such as intensive immunosuppression with peripheral stem cell rescue. Ultimately, a better understanding of disease pathogenesis may facilitate the development of targeted therapy against key events or mediators, but for the present better evaluation of existing agents and a focus on optimizing protocols for organ-based complications, such as pulmonary vascular disease or hypertensive renal crisis, are important goals.

Publication Types:

- Review
- Review, Tutorial

PMID: 11123010 [PubMed - indexed for MEDLINE]

[Write to the Help Desk](#)

[NCBI](#) | [NLM](#) | [NIH](#)

[Department of Health & Human Services](#)

[Freedom of Information Act](#) | [Disclaimer](#)